005007 "3209960

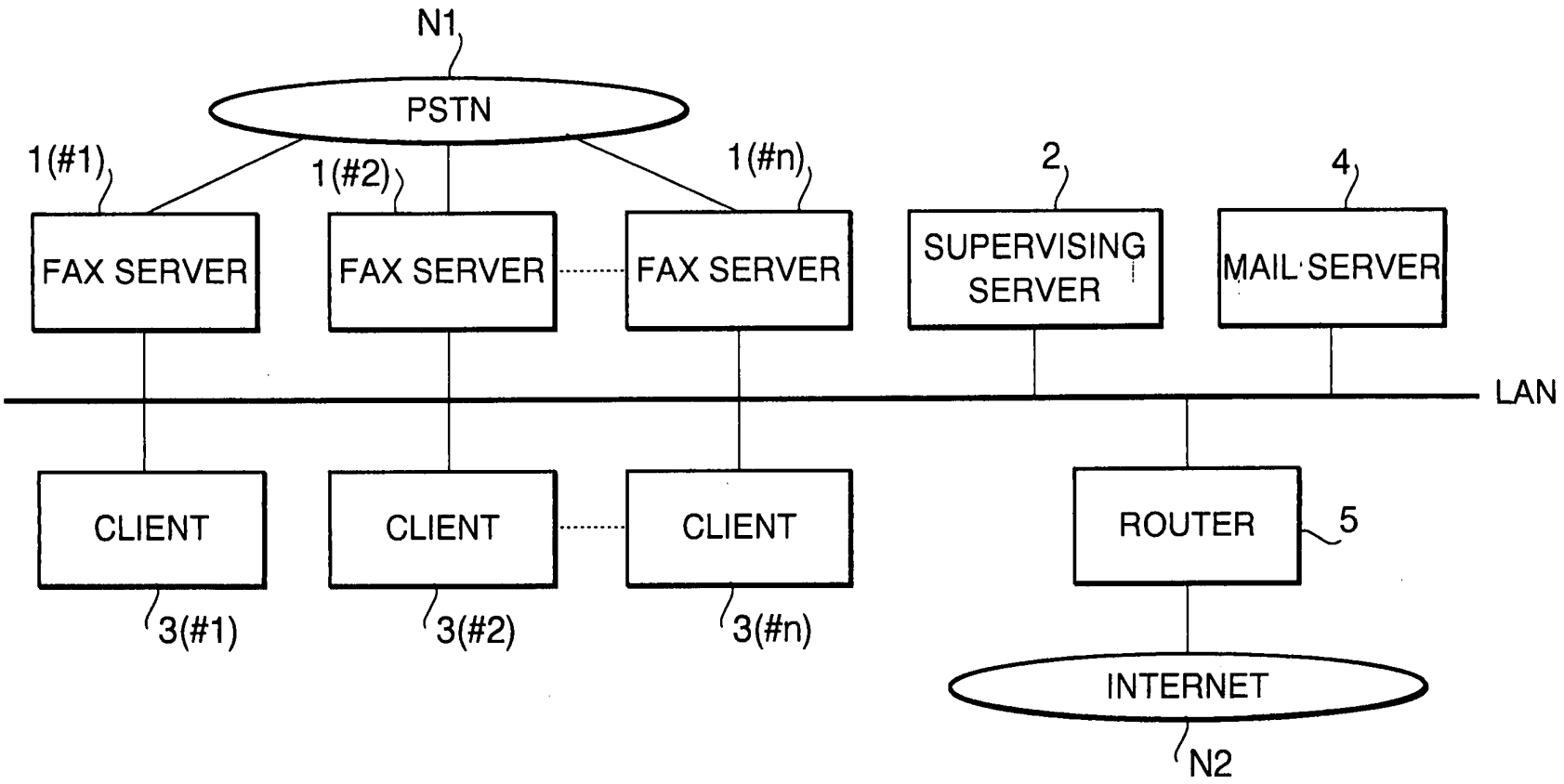



FIG. 1

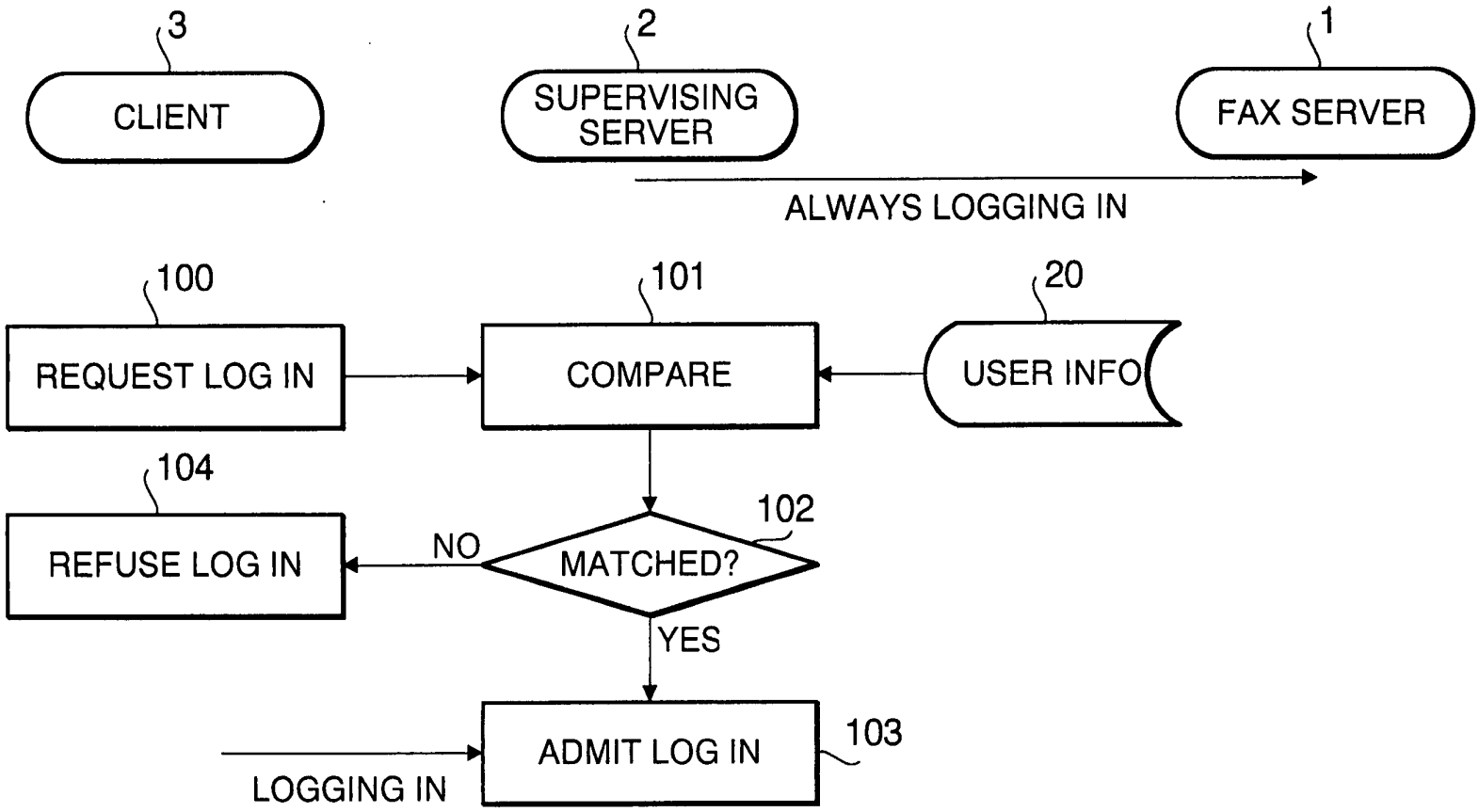

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
ALWAYS LOGGING IN
100
REQUEST LOG IN
101
COMPARE
20
USER INFO
104
REFUSE LOG IN
NO
102
MATCHED?
YES
LOGGING IN
ADMIT LOG IN
103

FIG. 2

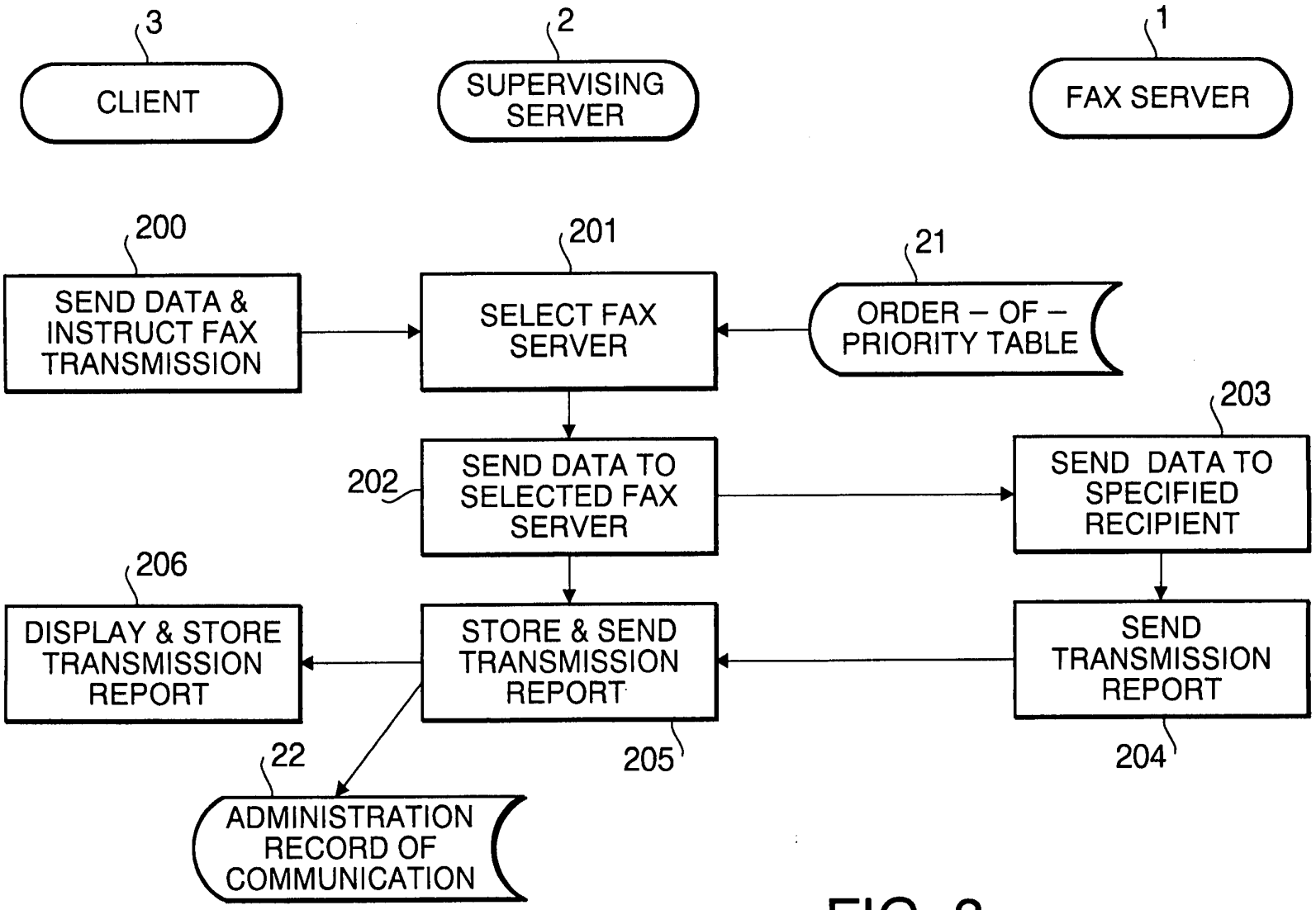

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
200
SEND DATA & INSTRUCT FAX TRANSMISSION
201
SELECT FAX SERVER
21
ORDER – OF – PRIORITY TABLE
202
SEND DATA TO SELECTED FAX SERVER
203
SEND DATA TO SPECIFIED RECIPIENT
206
DISPLAY & STORE TRANSMISSION REPORT
STORE & SEND TRANSMISSION REPORT
205
SEND TRANSMISSION REPORT
204
22
ADMINISTRATION RECORD OF COMMUNICATION

FIG. 3

09508T "2309969

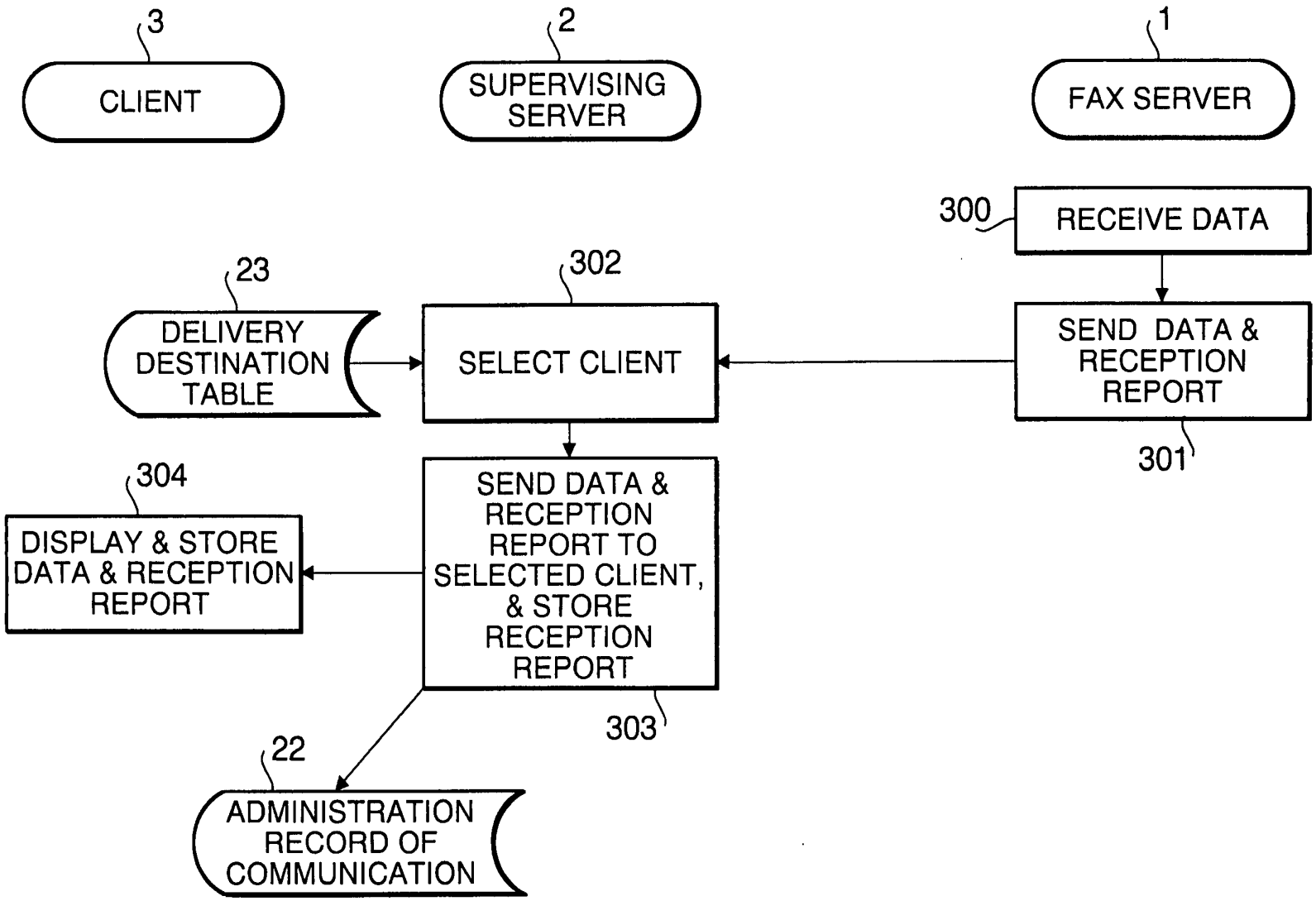



FIG. 4

0050 "23209960

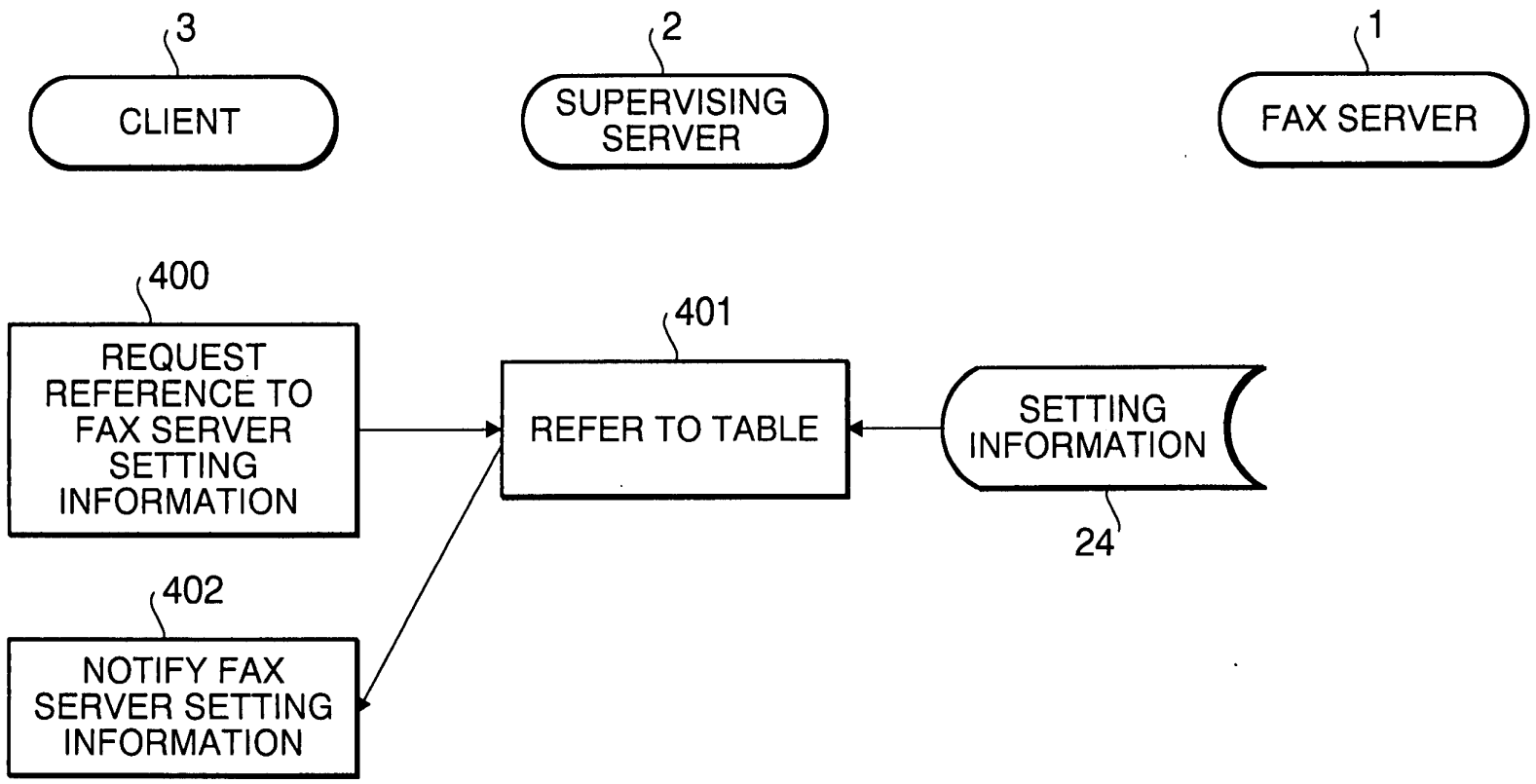



FIG.5

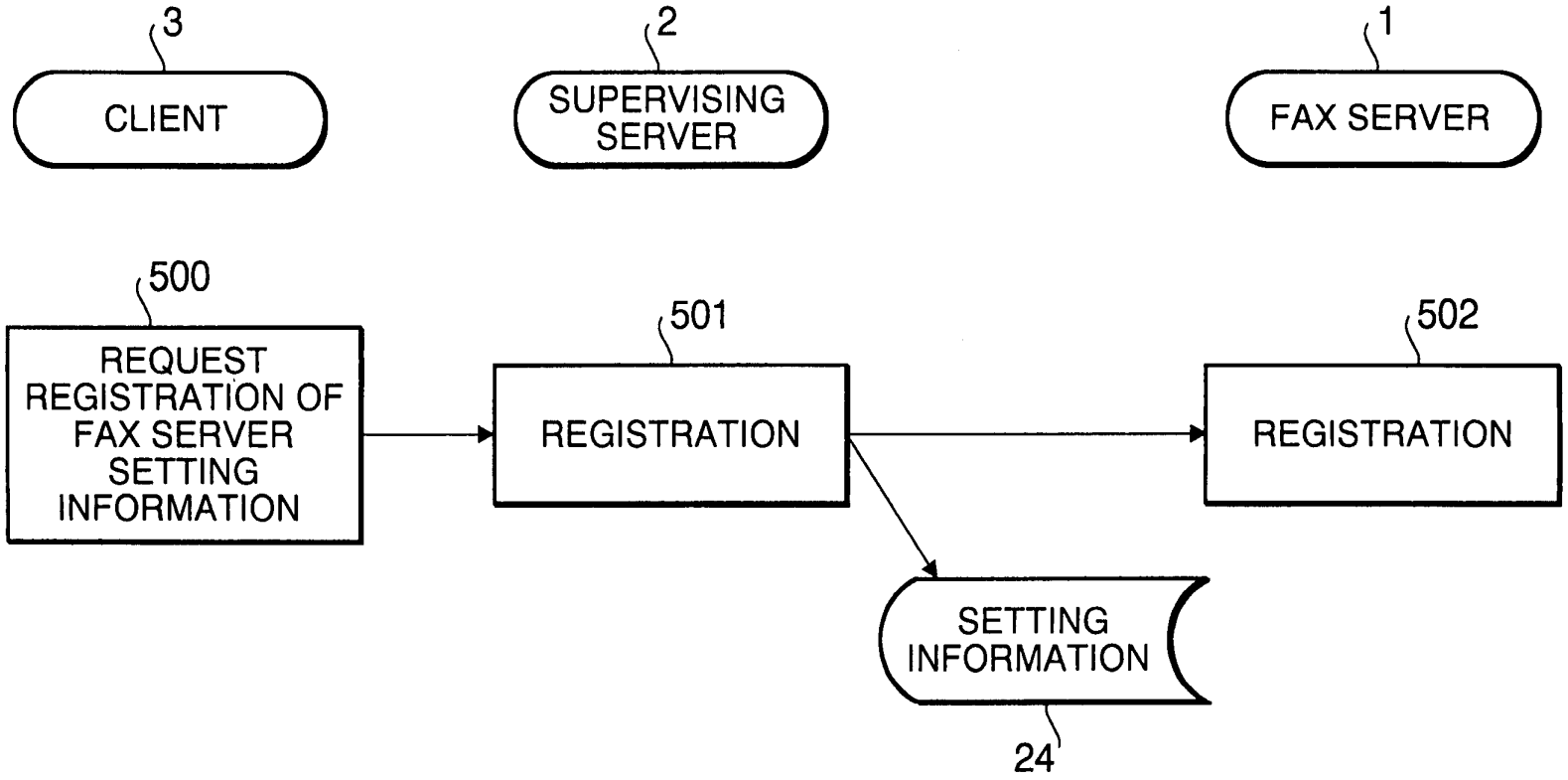

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
500
REQUEST REGISTRATION OF FAX SERVER SETTING INFORMATION
501
REGISTRATION
502
REGISTRATION
SETTING INFORMATION
24

FIG.6

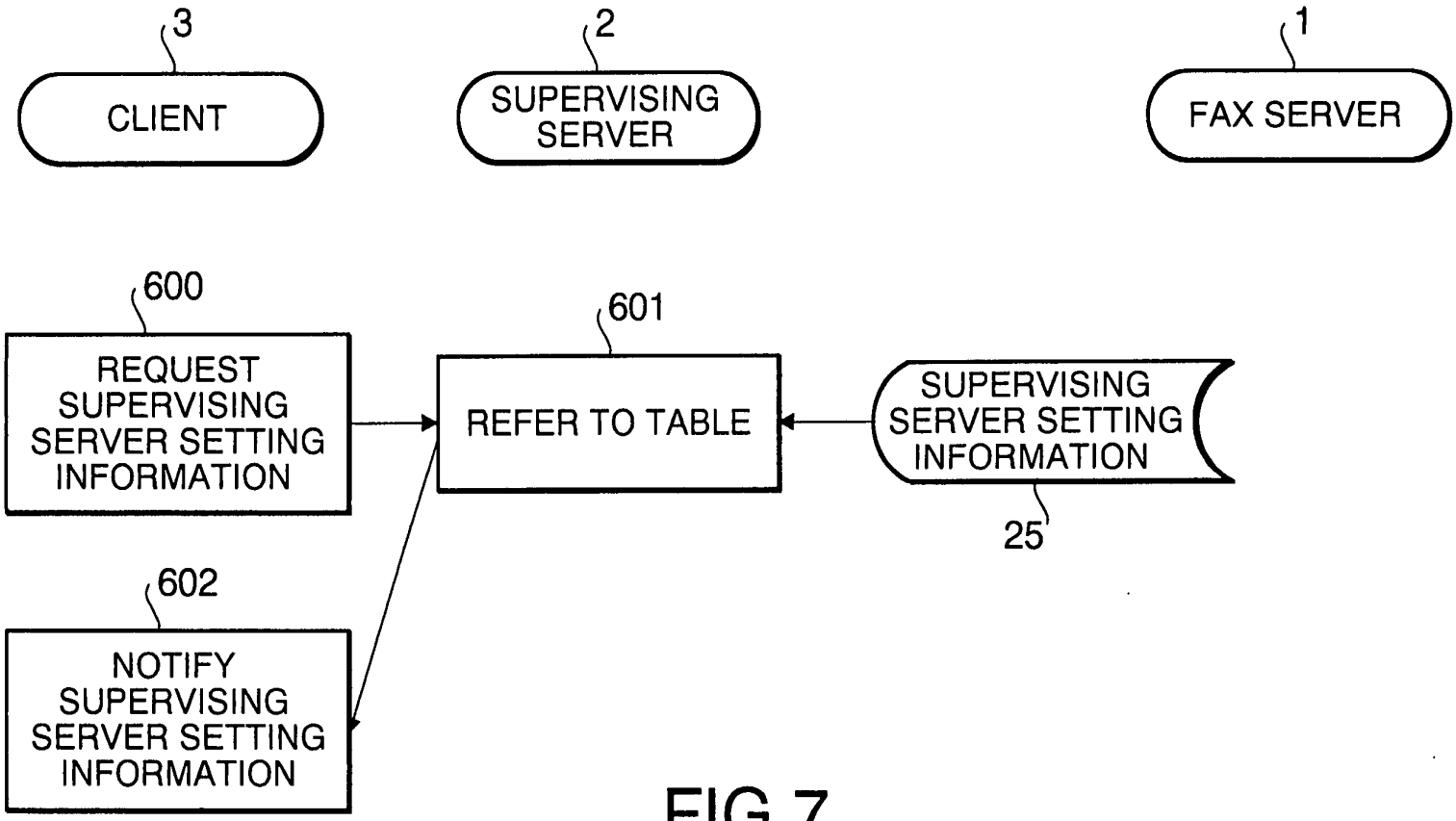

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
600
REQUEST SUPERVISING SERVER SETTING INFORMATION
601
REFER TO TABLE
SUPERVISING SERVER SETTING INFORMATION
25
602
NOTIFY SUPERVISING SERVER SETTING INFORMATION

FIG.7

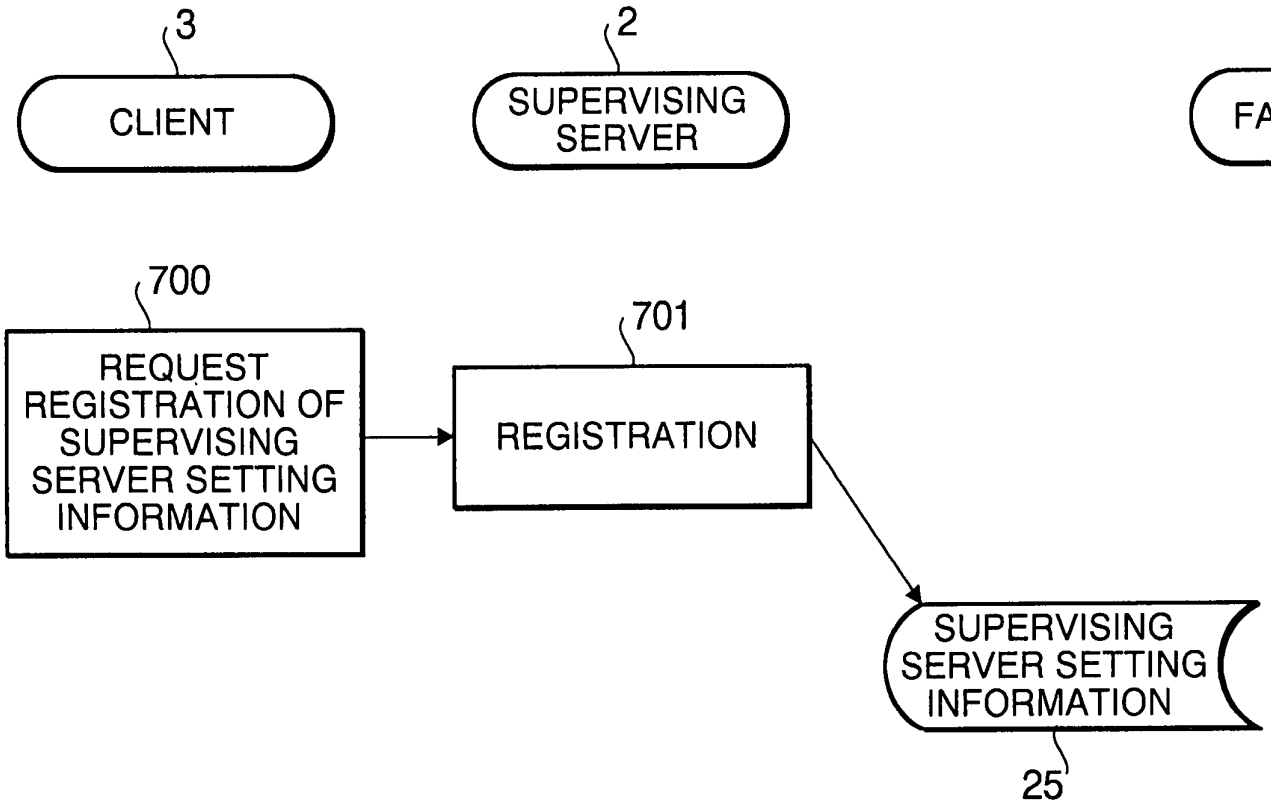

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
700
REQUEST REGISTRATION OF SUPERVISING SERVER SETTING INFORMATION
701
REGISTRATION
SUPERVISING SERVER SETTING INFORMATION
25

FIG.8

FIG. 9A

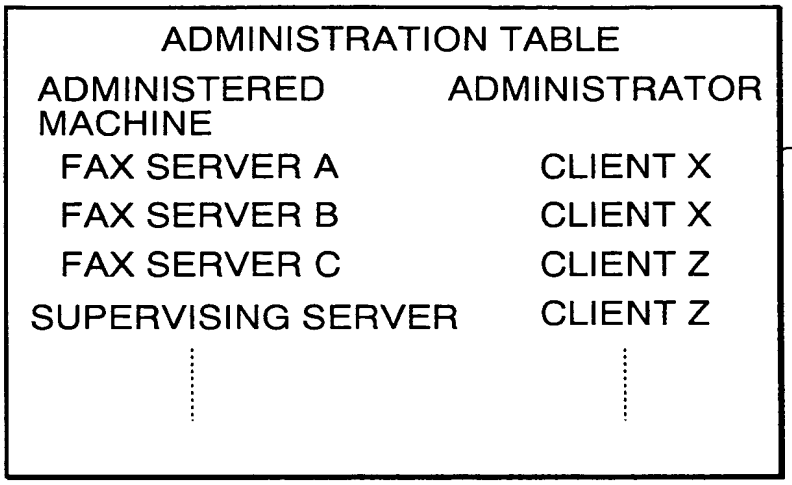
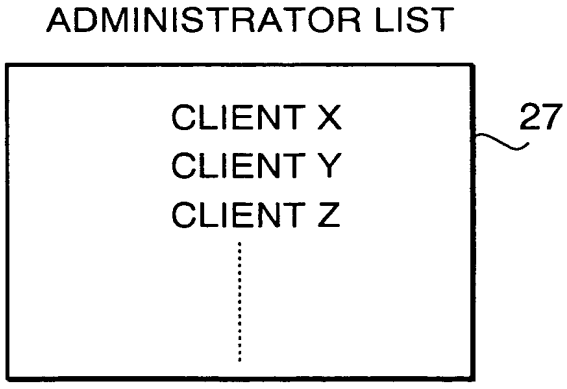

ADMINISTRATION TABLE
ADMINISTERED MACHINE
ADMINISTRATOR
FAX SERVER A
CLIENT X
FAX SERVER B
CLIENT X
FAX SERVER C
CLIENT Z
SUPERVISING SERVER
CLIENT Z
26

FIG. 9B


ADMINISTRATOR LIST
CLIENT X
CLIENT Y
CLIENT Z
27

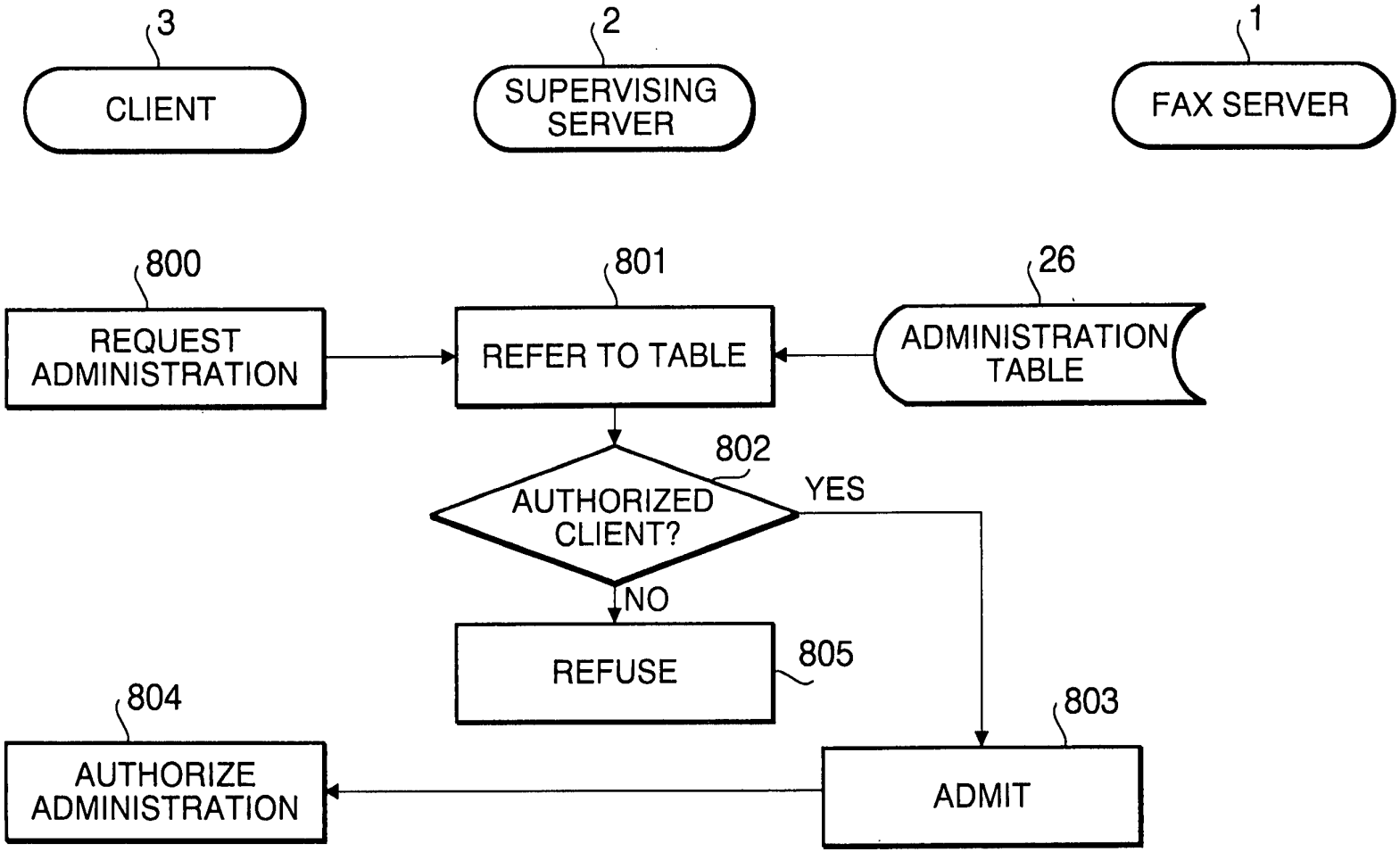

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
800
REQUEST ADMINISTRATION
801
REFER TO TABLE
26
ADMINISTRATION TABLE
802
AUTHORIZED CLIENT?
YES
NO
805
REFUSE
804
AUTHORIZE ADMINISTRATION
803
ADMIT

FIG. 10

FIG. 11

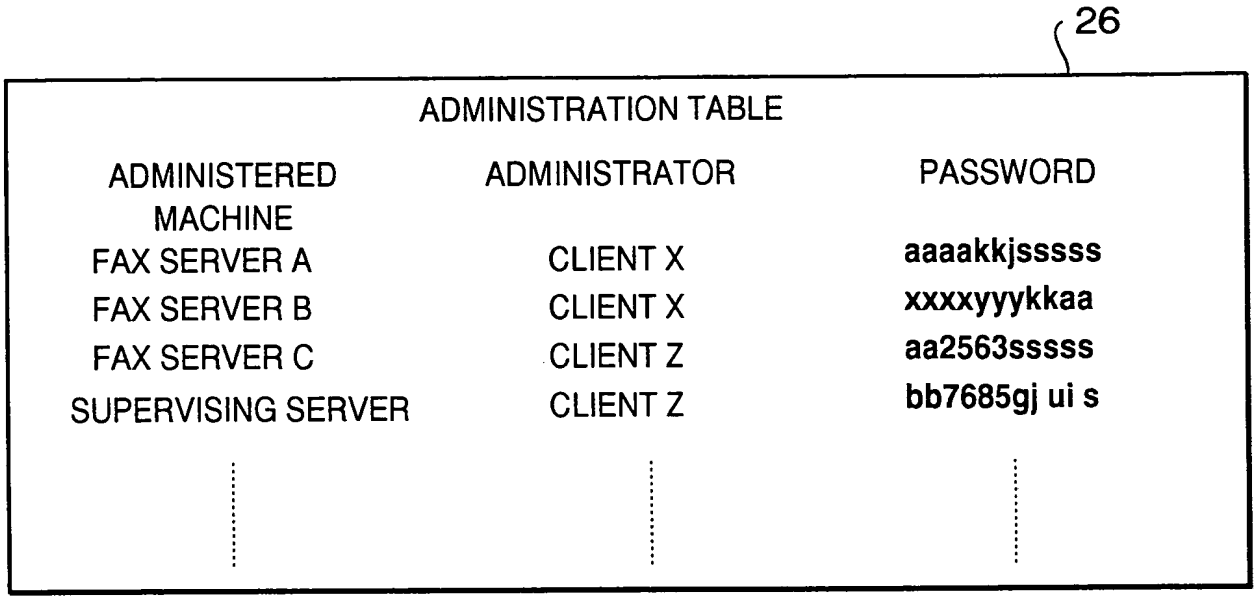

26
ADMINISTRATION TABLE
ADMINISTERED MACHINE
ADMINISTRATOR
PASSWORD
FAX SERVER A
CLIENT X
aaaakkjsssss
FAX SERVER B
CLIENT X
xxxxyyykkaa
FAX SERVER C
CLIENT Z
aa2563sssss
SUPERVISING SERVER
CLIENT Z
bb7685gj ui s

FIG. 12

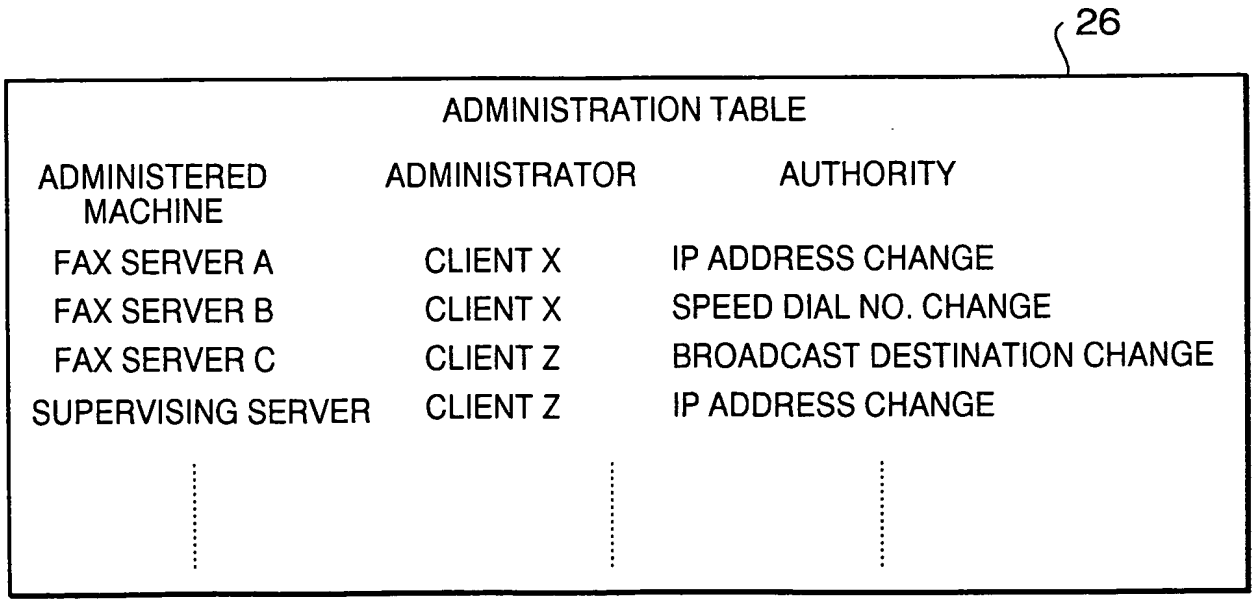

26
ADMINISTRATION TABLE
ADMINISTERED MACHINE
ADMINISTRATOR
AUTHORITY
FAX SERVER A
CLIENT X
IP ADDRESS CHANGE
FAX SERVER B
CLIENT X
SPEED DIAL NO. CHANGE
FAX SERVER C
CLIENT Z
BROADCAST DESTINATION CHANGE
SUPERVISING SERVER
CLIENT Z
IP ADDRESS CHANGE

FIG. 13A

CLIENT – GROUP TABLE

| CLIENT | GROUP |
|---|---|
| X | abc |
| Y | bbc |
| Z | bbc,ddx |
| ⋮ | ⋮ |

28

FIG. 13B

FAX SERVER – GROUP TABLE

| FAX SERVER | GROUP |
|---|---|
| A | abc |
| B | bbc,ddx |
| C | bbc |
| ⋮ | ⋮ |

29

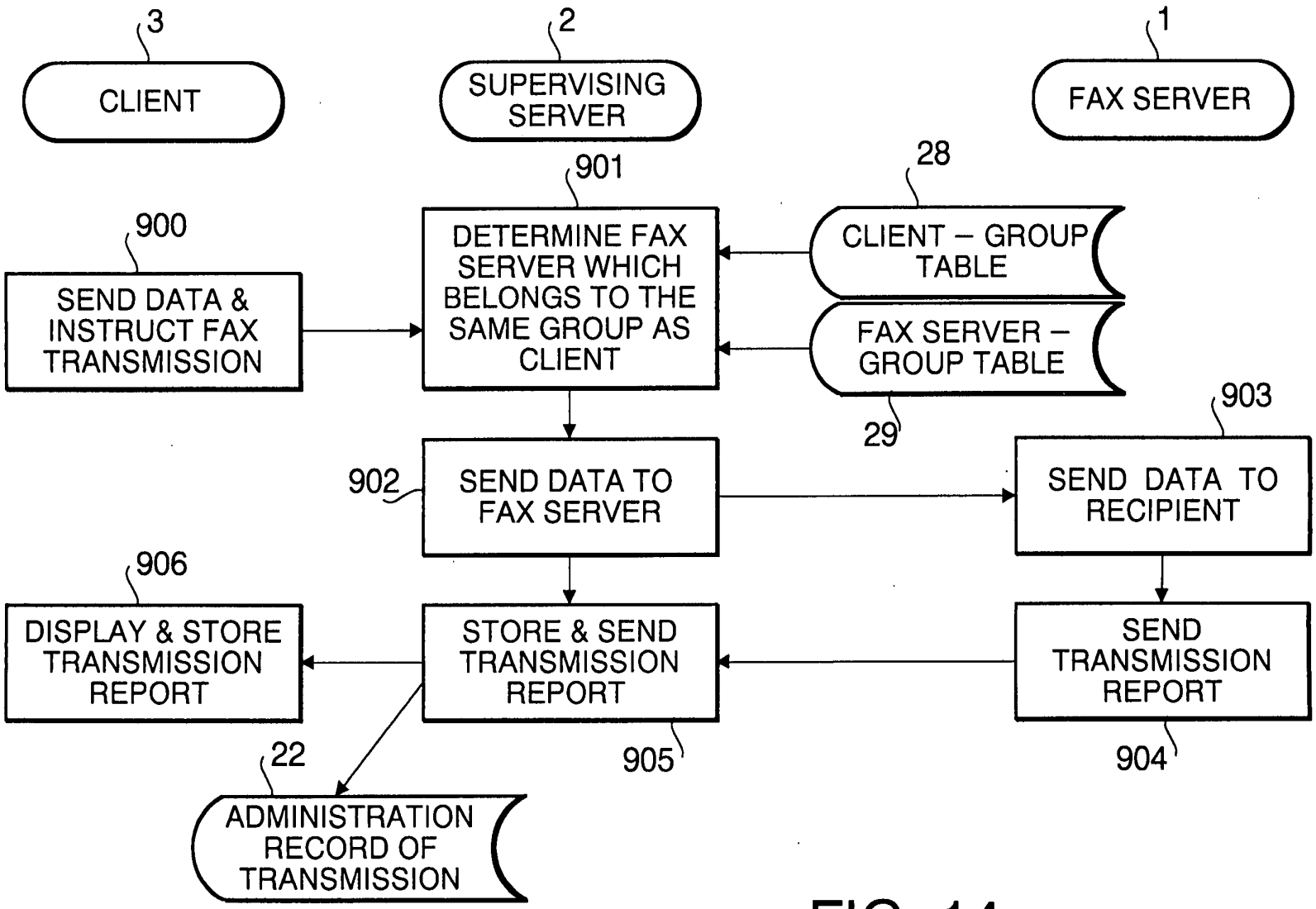

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
901
28
900
DETERMINE FAX SERVER WHICH BELONGS TO THE SAME GROUP AS CLIENT
CLIENT – GROUP TABLE
SEND DATA & INSTRUCT FAX TRANSMISSION
FAX SERVER – GROUP TABLE
29
903
902
SEND DATA TO FAX SERVER
SEND DATA TO RECIPIENT
906
DISPLAY & STORE TRANSMISSION REPORT
STORE & SEND TRANSMISSION REPORT
SEND TRANSMISSION REPORT
22
905
904
ADMINISTRATION RECORD OF TRANSMISSION

FIG. 14

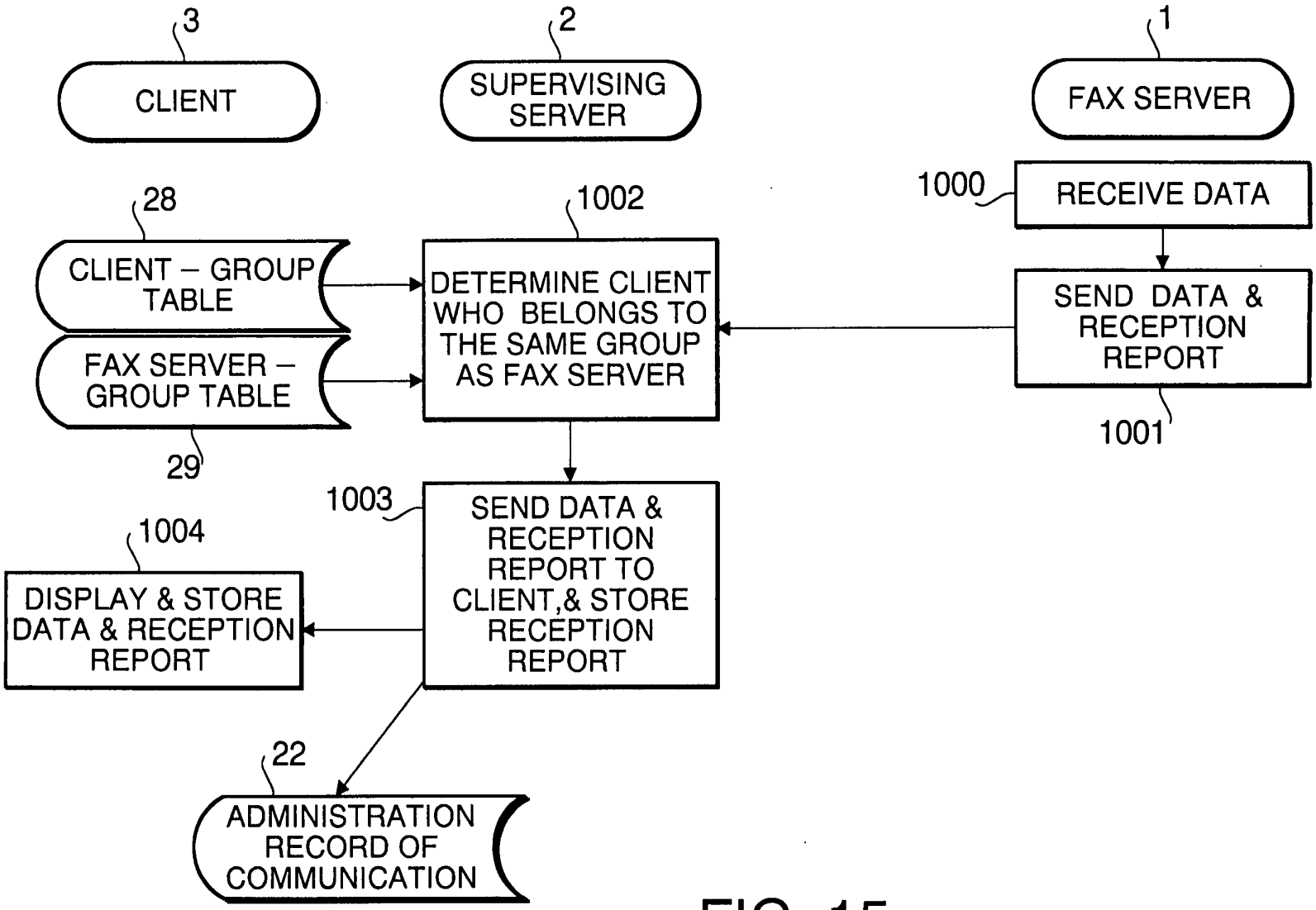

3
CLIENT
2
SUPERVISING SERVER
1
FAX SERVER
28
CLIENT – GROUP TABLE
FAX SERVER – GROUP TABLE
29
1002
DETERMINE CLIENT WHO BELONGS TO THE SAME GROUP AS FAX SERVER
1000
RECEIVE DATA
SEND DATA & RECEPTION REPORT
1001
1003
SEND DATA & RECEPTION REPORT TO CLIENT,& STORE RECEPTION REPORT
1004
DISPLAY & STORE DATA & RECEPTION REPORT
22
ADMINISTRATION RECORD OF COMMUNICATION

FIG. 15

FIG. 16A

30

ALL CLIENT COMMON TELEPHONE DIRECTORY

| RECIPIENT NAME | FAX NO. | e – mail | OPTIONS |
|---|---|---|---|
| 00 MACHINERY, INC. | 075 – 123 – 4567 | abc@xxx.co.jp | CONFIDENTIAL |
| XX INDUSTRIES, INC. | 03 – 1111 – 2222 | ddd@xxx.com | – |
| ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 16B

31

CLIENT X EXCLUSIVE TELEPHONE DIRECTORY

| RECIPIENT NAME | FAX NO. | e – mail | OPTIONS |
|---|---|---|---|
| YY, INC. | 06 – 1111 – 3333 | ppp@aaa.com | – |
| ZZ, INC. | 03 – 9999 – 1111 | aaa@bbb.ne.jp | – |
| ⋮ | ⋮ | ⋮ | ⋮ |

FIG. 16C

32

CLIENT Y EXCLUSIVE TELEPHONE DIRECTORY

| RECIPIENT NAME | FAX NO. | e – mail | OPTIONS |
|---|---|---|---|
| ABC CORP. | 06 – 1112 – 9999 | ppp@aaa.co.jp | – |
| DEF CORP. | 06 – 2222 – 2525 | uuu@bbb.co.jp | – |
| ⋮ | ⋮ | ⋮ | ⋮ |

DOCKET: 2340950

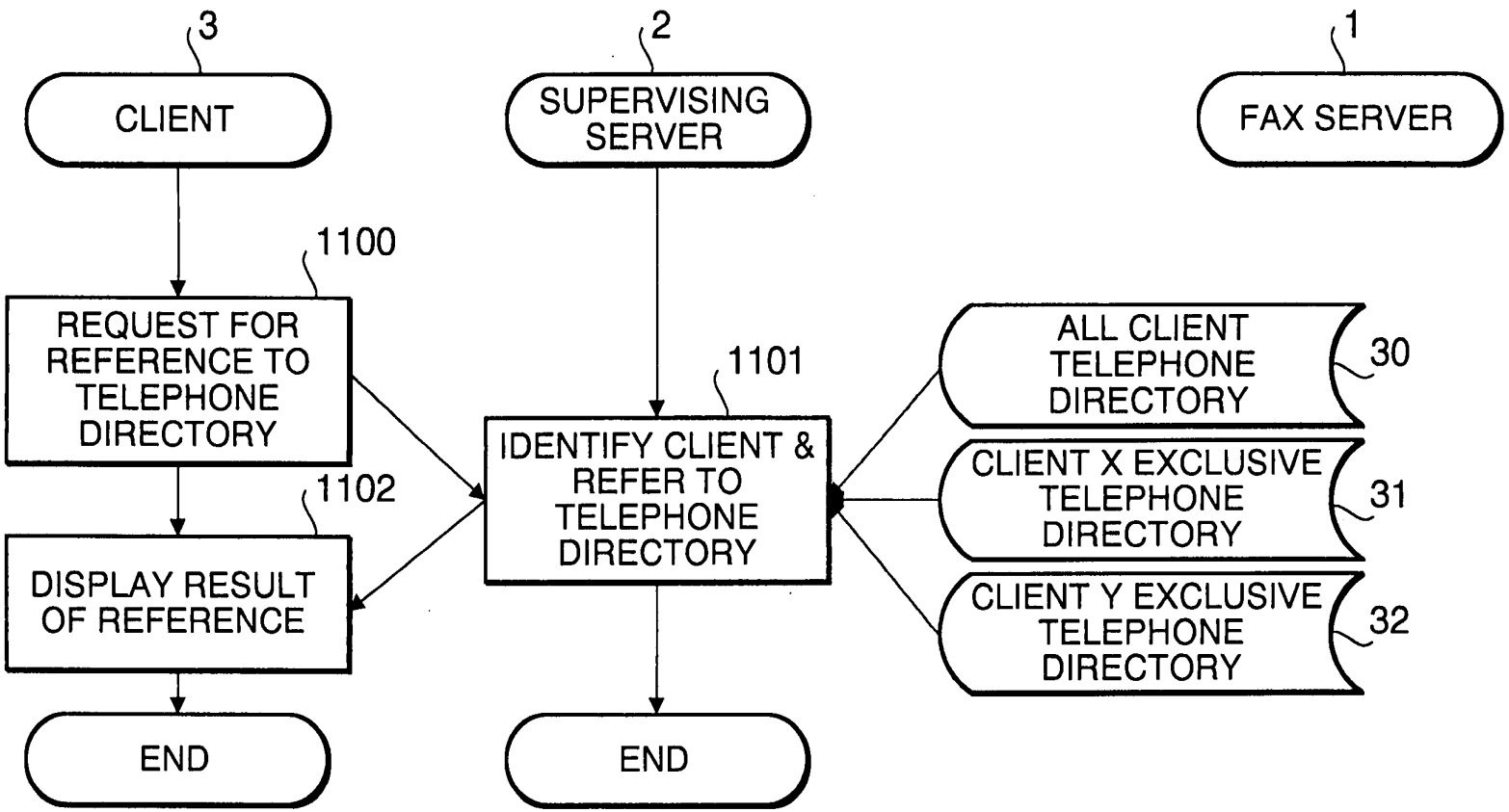



FIG. 17

0050971 "2409960

FIG. 18

33A

33

TELEPHONE DIRECTORY

| ATTRIBUTE | RECIPIENT INFORMATION | FAX NO. | e – mail | OPTIONS |
|---|---|---|---|---|
| COMMON | 00 MACHINERY INC. | 075 – 123 – 4567 | abc@xxx.co.jp | CONFIDENTIAL |
| | XX INDUSTRIES INC. | 03 – 1111 – 2222 | ddd@xxx.com | – |
| CLIENT A | ABC INC. | 06 – 1111 – 3333 | ppp@aaa.com | – |
| CLIENT B | DEF INC. | 03 – 9999 – 1111 | aaa@bbb.ne.jp | – |
| ⋮ | ⋮ | ⋮ | ⋮ | ⋮ |

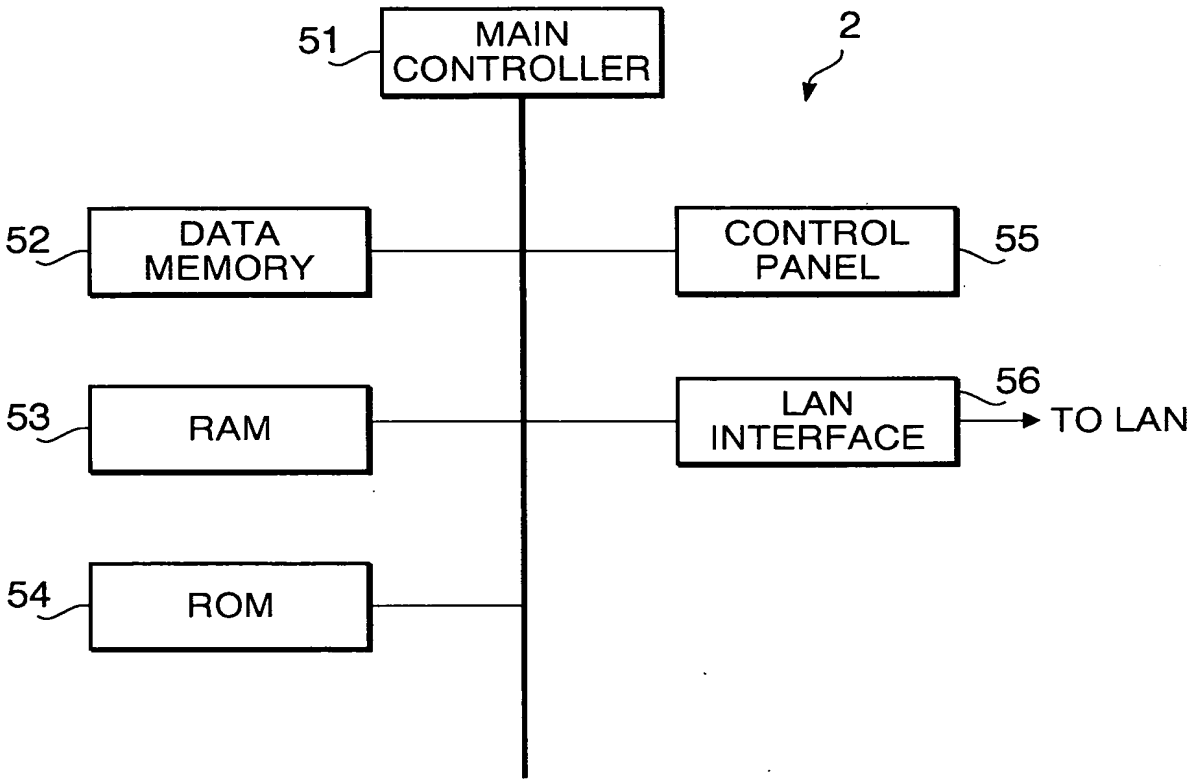

51
MAIN CONTROLLER
2
52
DATA MEMORY
CONTROL PANEL
55
53
RAM
56
LAN INTERFACE
TO LAN
54
ROM

FIG. 19

08E007 '23409960

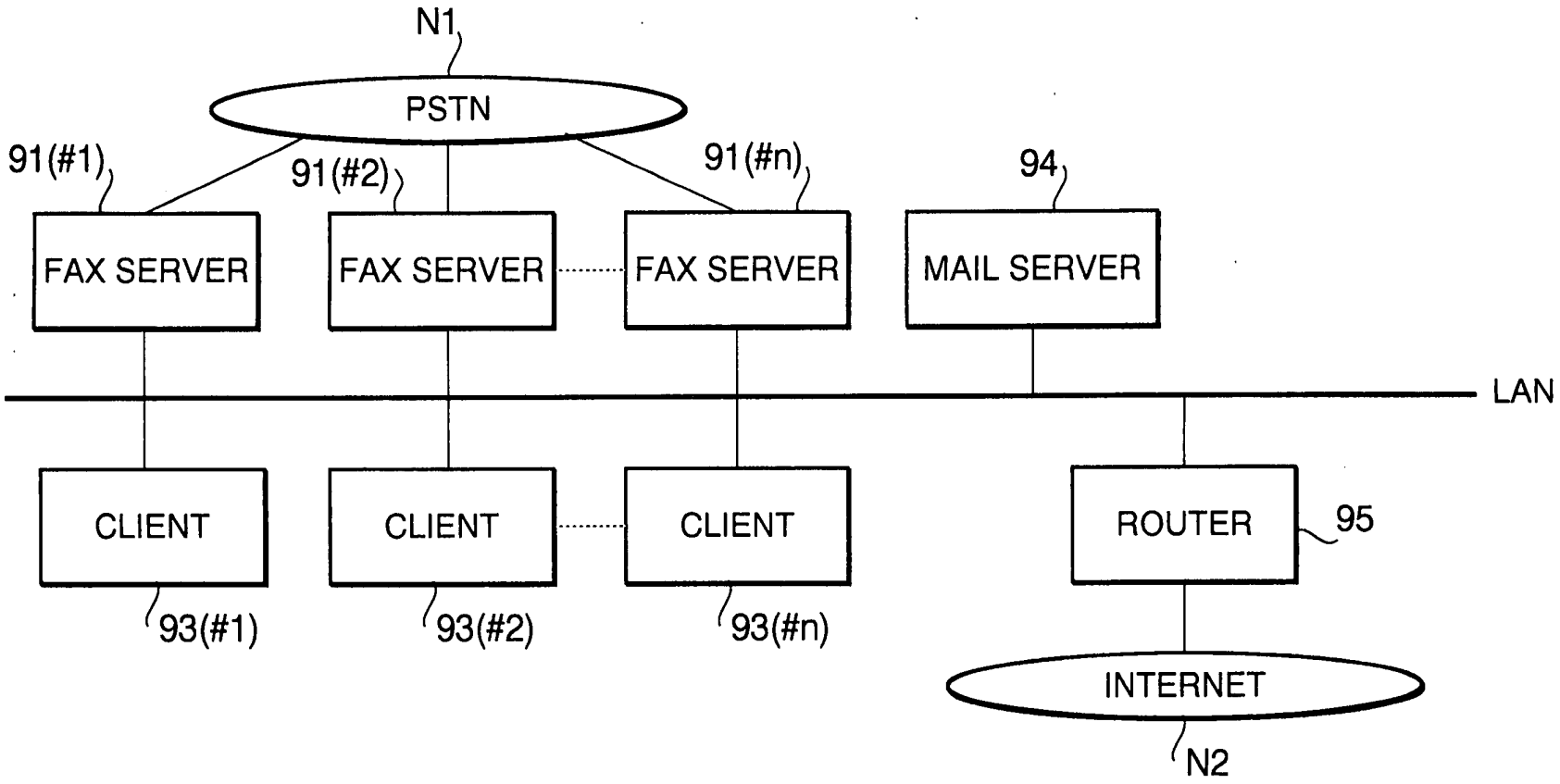



FIG. 20